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Doc #	98.076	Application Number	09/656,191
Applicants Leonard J. Srnka			
Filing Date 6 September, 2000		Group Art Unit 2862	

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
lms		4,247,821	1/27/81	Buselli et al	324	336	
lms		4,446,434	5/1/84	Sternberg et al	324	363	
lms		4,535,293	8/13/85	Rocroi et al	324	336	
lms		5,563,513	10/8/96	Tasci et al	324	359	
lms		4,617,518	10/14/86	Srnka, L.	324	365	

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
lms		2084929	7/28/97	Russia	—	—	<input checked="" type="checkbox"/>	<input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

lms		Nekut, A. G. et al, "Petroleum Exploration Using Controlled-Source Electromagnetic Methods", Proceedings IEEE, v. 77, pp. 338-362, 1989.
lms		Spies, B. R., "Depth of Investigation In Electromagnetic Sounding Methods", Geophysics v. 54, pp. 872-888, 1989.
lms		Mogilatov, V. S. et al, "A New Method Of Geoelectrical Prospecting By Vertical Electric Current Soundings", J. Appl. Geophys., v. 36, pp. 31-41, 1996.
lms		Tarkhov, A. G., "On Electric Geophysical Exploration Methods Of A Pure Anomaly", Bull. Acad. Sci. U.S.S.R., Geophys. Ser., no. 8, 11, 1957.
lms		Gupta, R. N. et al, "Unipole Method Of Electrical Profiling", Geophysics, v. 28, pp. 608-616, 1963.
lms		Dey, A. et al, "Electric Field Response Of Two-Dimensional Inhomogeneities To Unipolar And Bipolar Electrode Configurations", Geophysics, v. 40, pp. 630-640, 1975.
lms		Verma, S. K. et al, "Focused Resolution Of Thin Conducting Layers By Various Dipole EM Systems", Geophysics, v. 60, pp. 381-389, 1995.
lms		Maurer, H. et al, "Optimized And Robust Experimental Design: A Non-Linear Application To EM Sounding", Geophysics J. Int., v. 132, pp. 458-468, 1998.
lms		Hoversten, G. M. et al, "Marine Magnetotellurics For Petroleum Exploration, Part II: Numerical Analysis Of Subsalt Resolution", Geophysics, v. 63, pp. 826-840, 1998.
lms		Hoversten, G. M. et al, "Electromagnetics 2: Modeling For Petroleum And Mining Applications", SEG Annual Meeting Expanded Abstracts, v. 1, pp. 425-428, 1998.
lms		Alumbaugh, D. L. et al, "Three-Dimensional Massively Parallel Electromagnetic Inversion - II. Analysis Of A Crosswell Electromagnetic Experiment", Geophys. J. Int., v. 128, pp. 355-363, 1997.
lms		Alumbaugh, D. L. et al, "3D EM Imaging From A Single Borehole; A Numerical Feasibility Study", SEG Annual Meeting Expanded Abstracts, v. 1, pp. 448-451, 1998.
lms		Zhdanov, M. et al, "Resistivity Imaging By Time Domain Electromagnetic Migration (TDEMM)", Exploration Geophysics, v. 26, pp. 186-194, 1995.
lms		Zhdanov, M. et al, "Time-Domain Electromagnetic Migration In The Solution Of Inverse Problems", Geophys. J. Int., v. 131, pp. 293-309, 1997.
lms		Zhdanov, M. et al, "Preconditioned Time Domain Electromagnetic Migration", SEG Annual Meeting Expanded Abstracts, v. 1, pp. 461-468, 1998.

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						YES	NO
						<input type="checkbox"/>	<input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

W		Buselli, G. et al, "Robust Statistical Methods For Reducing Sferics Noise Contaminating Transient Electromagnetic Measurements", Geophysics, v. 61, pp. 1633-1646, 1996.
W		Egbert, G. D., "Robust Multiple-Station Magnetotelluric Data Processing", Geophys. J. Int., v. 130, pp. 475-496, 1997.
W		Caldwell, T. G. et al, "The Instantaneous Apparent Resistivity Tensor: A Visualization Scheme For LOTEM Electric Field Measurements", Geophys. J. Int., v. 135, pp. 817-834, 1998.
W		Zhdanov, M. et al, "Three-Dimensional Quasi-Linear Electromagnetic Inversion", Radio Science, v. 31, pp. 741-754, 1996.
W		Newman, G. A. et al, "Three-Dimensional Massively Parallel Electromagnetic Inversion -I. Theory", Report SAND96-0582, Sandia Nat'l Labs, 1996 and Geophys. J. Int., v. 128, pp. 345-354, 1997.
W		Alumbaugh, D. L. et al, "Electromagnetics 3: Inversion Techniques", SEG Annual Mtg. Expanded Abstracts, v. 1, pp. 456-459, 1998.
W		Jupp, D. et al, "Resolving Anisotropy In Layered Media By Joint Inversion", Geophys. Prospecting, v. 25, pp. 460-470, 1977.

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DATE CONSIDERED

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